

United States Patent and Trademark Office

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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

10/24/2003

DEL CHRISTENSEN SHELL OIL COMPANY P.O. BOX 2463 HOUSTON, TX 77252-2463

EXAMINER			
SUCHFIELD, GEORGE A			
ART UNIT	PAPER NUMBER		

3672

DATE MAILED: 10/24/2003

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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	09/8/11 200	04/24/2001	Eric Pierre de Rouffignac	5659-02500/EBM	3896

TITLE OF INVENTION: IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION

APPLN. TYPE			PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330	\$300	\$1630	01/26/2004	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

 Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u>

(703) 746-4000

anneanciata. All further cor	respondence including the loclow or directed otherwise	Patent advance orders :	and notification	of maintenance fee	equired). Blocks 1 through 4 s s will be mailed to the current ess; and/or (b) indicating a sepa	correspondence address a
CURRENT CORRESPONDENC	E ADDRESS (Note: Legibly mark-up	with any corrections or use Bl		Fee(s) Transmittal. papers. Each additio	of mailing can only be used for This certificate cannot be used onal paper, such as an assignment of mailing or transmission.	for any other accompanying
DEL CHRISTEN SHELL OIL COM P.O. BOX 2463 HOUSTON, TX 77	ISEN PANY			I hereby certify that States Postal Service addressed to the N	Certificate of Mailing or Tran: t this Fee(s) Transmittal is bein be with sufficient postage for fin Mail Stop ISSUE FEE address ISPTO, on the date indicated be	g deposited with the Unite est class mail in an envelop above, or being facsimil
110051011, 11177	202 2 105					(Depositor's name
						(Signature)
						(Date
APPLICATION NO.	FILING DATE	FIRST	NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,299	04/24/2001	Eric	Pierre de Rouffig	gnac	5659-02500/EBM	3896
FORMATION					ORMATION TO INCREASE	<u> </u>
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630 	01/26/2004
EXAM	INER	ART UNIT	CL	ASS-SUBCLASS		
SUCHFIELD	, GEORGE A	3672		166-302000		
CFR 1.363). Change of corresponde Address form PTO/SB/12 "Fee Address" indicati PTO/SB/47; Rev 03-02 (Number is required. ASSIGNEE NAME AND PLEASE NOTE: Unless	on (or "Fee Address" Indicator more recent) attached. Use PRESIDENCE DATA TO B an assignee is identified beld to the USPTO or is being s	correspondence ag fir ag att will be a far Customer at a far Customer at	ames of up to gents OR, alterna rm (having as a gent) and the na- torneys or agent ill be printed. PATENT (print of vill appear on the e cover. Complet	natent. Inclusion of	attorneys or 1	ate when an assignment ha
4a. The following fee(s) are Issue Fee Publication Fee	assignee category or catego enclosed:	4b. Pay	ment of Fee(s): check in the amount ayment by credit	ount of the fee(s) is card. Form PTO-20 creby authorized by		credit any overpayment, t
Director for Patents is reque	sted to apply the Issue Fee a	nd Publication Fee (if ar	ny) or to re-apply	any previously pai	d issue fee to the application ide	entified above.
other than the applicant; interest as shown by the re- This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for	d Publication Fee (if require a registered attorney or agroords of the United States Pattion is required by 37 CFR by the public which is to five is governed by 35 U.S.C. I les to complete, including grant to the USPTO. Time will the amount of time you this burden, should be sent Office, U.S. Department END FEES OR COMPLE for Patents, Alexandria, Virginal Patents,	ent; or the assignee or tent and Trademark Off 1.311. The information tle (and by the USPTO 22 and 37 CFR 1.14. The athering, preparing, and 11 yary depending upon	n is required to to process) an his collection is I submitting the			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	CATION NO. FILING DATE FIRST NAMED INVENTO		ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/841,299 04/24/2001 Eric Pierre de Rouffignac		5659-02500/EBM 3896				
7:	590 10/24/2003	EXAM	EXAMINER			
DEL CHRISTENSEN SHELL OIL COMPANY			SUCHFIELD,	SUCHFIELD, GEORGE A		
P.O. BOX 2463	IANI		ART UNIT	PAPER NUMBER		
HOUSTON, TX 7	7252-2463		3672			

DATE MAILED: 10/24/2003

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,299	04/24/2001	Eric Pierre de Rouffignac	5659-02500/EBM	3896
75	90 10/24/2003		EXAM	INER
DEL CHRISTEN	SEN		SUCHFIELD	GEORGE A
SHELL OIL COMP P.O. BOX 2463	PANY		ART UNIT	PAPER NUMBER
HOUSTON, TX 77	252-2463		3672	 -
			DATE MAILED: 10/24/200	3

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

(c) Issue fee for issuing a plant patent:

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

4 **	Application No.		Applicant(s)		
	09/841,299 DE ROUFFIGN		DE ROUFFIGNAC E	=T ΔI	
Notice of Allowability	Examiner		Art Unit	- 1 AL.	
	George Suchfield		3672		
	George Sucrineia		3072	<u> </u>	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.					
1. This communication is responsive to 6/6/03 Communication	ons.				
2. The allowed claim(s) is/are 2270-2308,5396-5428,5430-54	139 and 5467-5476.				
3. A The drawings filed on <u>09 September 2002</u> are accepted by	the Examiner.				
4. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the:	der 35 U.S.C. § 119((a)-(d) or (f).			
1. Certified copies of the priority documents have	been received.				
2. Certified copies of the priority documents have	been received in A	pplication No	·		
3. Copies of the certified copies of the priority do	cuments have been	received in this n	ational stage applica	tion from the	
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
5. Acknowledgment is made of a claim for domestic priority up	nder 35 U.S.C. § 11	9(e) (to a provision	onal application).		
(a) The translation of the foreign language provisional a	pplication has been	received.			
6. Acknowledgment is made of a claim for domestic priority un	nder 35 U.S.C. §§ 1	20 and/or 121.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE . 7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner. (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. 					
(o) Instanting changes required by the disastinate Examiner of the annual of the annua					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.					
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☑ Information Disclosure Statements (PTO-1449), Paper No. ☑ 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4□ <u>4</u> ,25 6□ 8□	Interview Summa Examiner's Amer	I Patent Application (iry (PTO-413), Paper indment/Comment for the second for th	No	